

WHAT IS CLAIMED IS:

1. A sending mobile phone comprising:

a transceiver means for transmitting a call signal to a receiving mobile phone through a telecommunication network and for receiving multimedia data stored in a storage means of said receiving mobile phone;

a storage means for storing said received multimedia data;

an application for executing said multimedia data to be output; and

a control means for determining whether said receiving mobile phone is subscribed to a multimedia data-providing service,

wherein said control means comprises an application-management module for determining the kind of multimedia data, connecting said multimedia data to said application, and managing and controlling said application.

2. A receiving mobile phone subscribed to a multimedia data-providing service, comprising:

a sensing means for sensing when a channel to a telecommunication network is defined;

a storage means for storing multimedia data configured by a user of said receiving mobile phone;

a transceiver means for receiving a call signal from a transceiver means of a sending mobile phone or for transmitting said multimedia data stored in said storage means to said sending mobile phone; and

a control means for configuring the multimedia data-providing service and for determining whether said sending mobile phone is capable of downloading and executing said multimedia data.

3. The receiving mobile phone according to claim 2, wherein if said multimedia data stored in said storage means of the receiving mobile phone are updated, said control means of the receiving mobile phone performs control for transmitting the updated multimedia data to said transceiver means of said sending mobile phone.
4. The receiving mobile phone according to claim 2, wherein said control means of the receiving mobile phone performs control for transmitting said multimedia data to said transceiver means of said sending mobile phone even when a user of the receiving mobile phone is talking on said receiving mobile phone.
5. The receiving mobile phone according to claim 2, wherein said control means of the receiving mobile phone performs control for continuously transmitting said multimedia data to said transceiver means of said sending mobile phone even after the receiving mobile phone is hooked up and a bi-directional traffic channel is defined.
6. A telecommunication system, comprising:
 - a multimedia data-providing server for determining whether a sending mobile phone is capable of downloading and executing multimedia data, and for transmitting said multimedia data, previously stored by a user of a receiving phone, to said sending mobile phone;
 - said receiving phone for configuring a multimedia data-providing service and for registering said multimedia data-providing service in said multimedia data-providing server;
 - said sending mobile phone for downloading said multimedia data, previously configured and stored in said multimedia data-providing server, and of connecting said downloaded multimedia data to an application to execute said multimedia data; and

a telecommunication network for connecting a call signal transmitted from said sending mobile phone to said receiving phone so as to define a channel, and for detecting said transmitted call signal and then determining whether said receiving phone is subscribed to said multimedia data-providing service,

wherein if it is determined that said receiving phone is subscribed to said multimedia data-providing service, said telecommunication network notifies said multimedia data-providing server that said receiving phone is subscribed to said data-providing service.

7. The telecommunication system according to claim 6, wherein said multimedia data-providing server comprises:

a memory for storing said multimedia data, previously configured by said user of said receiving phone, and information on subscribers to said multimedia data-providing service;

a control unit for determining whether said sending mobile phone is capable of downloading and executing said multimedia data; and

a transceiver for transmitting said multimedia data, previously configured and stored in said memory by said user of said receiving phone, to said sending mobile phone.

8. The telecommunication system according to claim 7, wherein if said multimedia data stored in said memory are updated, said control means performs control for transmitting said updated multimedia data to said sending mobile phone.

9. The telecommunication system according to claim 7, wherein said control means performs control for transmitting said multimedia data to said sending mobile phone even when said user of said receiving phone is talking on said receiving phone.

10. The telecommunication system according to claim 7, wherein said control means performs control for continuously transmitting said multimedia data to said sending mobile phone even after said receiving phone is hooked up and a bi-directional traffic channel is defined.

11. The telecommunication system according to claim 7, wherein said control means performs control for transmitting said multimedia data to said sending mobile phone even when said receiving phone is turned off.

12. The telecommunication system according to claim 6, wherein said receiving phone is a mobile phone, a general wired/wireless phone, or a PDA phone.

13. The telecommunications system according to claim 6, wherein said multimedia data comprises at least one of video, still images, maps, name cards, personal profiles, music, and business advertisements.

14. The sending mobile phone according to claim 1, wherein said multimedia data comprises at least one of video, still images, maps, name cards, personal profiles, music, and business advertisements.

15. The receiving mobile phone according to claim 2, wherein said multimedia data comprises at least one of video, still images, maps, name cards, personal profiles, music, and business advertisements.

16. A method of automatically downloading multimedia data from a receiving mobile phone to a sending mobile phone, comprising:

transmitting, by a transceiver means of the sending mobile phone, a call signal through a telecommunication network;

receiving, by a transceiver means of the receiving mobile phone, said call signal transmitted through said telecommunication network and defining a channel to said telecommunication network;

transmitting , by the receiving part's mobile phone, the multimedia data previously configured and stored in a storage means of the receiving part's mobile phone by a user of the receiving part's mobile phone to said transceiver means of the sending mobile phone after said channel is defined; and

downloading said transmitted multimedia data and storing said transmitted multimedia data in a storage means of the sending mobile phone.

17. The method according to claim 16, wherein the receiving operation further comprises:

if it is determined that the receiving mobile phone is subscribed to a multimedia data-providing service, determining whether the sending mobile phone is capable of downloading and executing said multimedia data.

18. The method according to claim 16, wherein the transmitting operation further comprises:

if said multimedia data stored in said storage means of the receiving mobile phone are updated, transmitting said updated multimedia data to said transceiver means of the sending mobile phone.

19. The method according to claim 16, wherein the transmitting operation further comprises transmitting said multimedia data to said transceiver means of the sending mobile phone even when said user of the receiving mobile phone is talking on the receiving mobile phone.

20. The method according to claim 16, wherein the transmitting operation further comprises continuously transmitting said multimedia data to said transceiver means of the sending mobile phone even after the receiving mobile phone is hooked up and a bi-directional traffic channel is defined.

21. The method according to claim 16, wherein the downloading operation further comprises downloading, by the sending mobile phone, said transmitted multimedia data and connecting the multimedia data to an application to execute the multimedia data.

22. A method for automatically downloading multimedia data from a multimedia data-providing server in a telecommunication system, comprising:

transmitting, by a transceiver means of a sending mobile phone, a call signal through a telecommunication network;

detecting, by said telecommunication network, said transmitted call signal and notifying the multimedia data-providing server of the detection results;

transmitting, by the multimedia data-providing server, the multimedia data, previously configured and stored in the server by a user of the receiving part's phone, to said transceiver means of said sending mobile phone in response to said notification; and

downloading, by said transceiver means of said sending mobile phone, the multimedia data transmitted from the multimedia data-providing server and storing the multimedia data in a storage means of said sending mobile phone.

23. The method according to claim 22, wherein the detecting operation further comprises :

after said telecommunication network detects said transmitted call signal, determining whether said receiving phone is subscribed to a multimedia data-providing service; and

if it is determined that said receiving phone is subscribed to said multimedia data-providing service, notifying the multimedia data-providing server that said receiving phone is subscribed to said multimedia data-providing service.

24. The method according to claim 23, wherein the transmitting operation further comprises :

after the multimedia data-providing server receives said notification, determining whether said sending mobile phone is capable of downloading and executing the multimedia data; and

transmitting the multimedia data to said transceiver means of said sending mobile phone.

25. The method according to claim 22, wherein the transmitting operation further comprises :

if the multimedia data stored in the multimedia data-providing server are updated, transmitting said updated multimedia data to said transceiver means of said sending mobile phone.

26. The method according to claim 22, wherein the transmitting operation further comprises transmitting the multimedia data to said transceiver means of said sending mobile phone even when a user of said receiving phone is talking on said receiving phone.

27. The method according to claim 22, wherein the transmitting operation further comprises continuously transmitting the multimedia data to said transceiver means of said sending mobile phone even after said receiving phone is hooked up and a bi-directional traffic channel is defined.

28. The method according to claim 22, wherein the transmitting operation further comprises transmitting the multimedia data to said sending mobile phone even when said receiving phone is turned off.

29. The method according to claim 22, wherein the downloading operation further comprises downloading, by said sending mobile phone, said transmitted multimedia data and connecting said transmitted multimedia data to an application to execute said transmitted multimedia data.

30. The method according to claim 22, wherein said receiving phone is a mobile phone, a general wired/wireless phone, or a PDA phone.

31. The method according to claim 22, wherein said multimedia data comprises at least one of video, still images, maps, name cards, personal profiles, music, and business advertisements.

32. The method according to claim 16, wherein said multimedia data comprises at least one of video, still images, maps, name cards, personal profiles, music, and business advertisements.